

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES RECONSTRUCTION OF EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 124 (WOODFIELD ROAD) AT AIRPARK ROAD IN MONTGOMERY COUNTY. MD 124 IS ASSUMED TO RUN IN A NORTH SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A SEMI-ACTUATED MODE USING EIGHT NEMA PHASING. AN EXCLUSIVE LEFT TURN WILL BE PROVIDED FOR NORTHBOUND, SOUTHBOUND, EASTBOUND AND WESTBOUND OR SAME AS PREVIOUS.

PEDESTRIAN OPERATION

NAVIGATOR AUDIBLE PEDESTRIAN PUSHBUTTON MOVEMENTS TO CROSS THE EAST, WEST NORTH AND SOUTH LEGS OF THE INTERSECTION ARE TO BE PROVIDED. WHEN THE PEDESTRIAN LOCATES AND PRESSES THE PUSH BUTTON FOR AN EXTENDED TIME, THE PUSH BUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:  
NORTH/SOUTH: "WAIT TO CROSS WOODFIELD AT AIRPARK". CROSSWALK ANGLES LEFT.  
EAST: "WAIT TO CROSS AIRPARK AT WOODFIELD". CROSSWALK ANGLES SLIGHTLY RIGHT.  
WEST: "WAIT TO CROSS AIRPARK AT WOODFIELD". CROSSWALK ANGLES RIGHT.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. JEFFREY WENTZ, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 513-7358  
MR. DUANE BERNDARD, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE: (301) 513-7336  
MR. WAYNE A. MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 513-7304  
MR. AUGIE REBISH, UTILITY ENGINEER  
PHONE: (301) 513-7350  
MR. ROBERT SNYDER, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

MR. KAMAL HAMUD  
MONTGOMERY COUNTY  
240-777-8761

MR. STEVE CUSTER  
PEPCO CUSTOMER DESIGN  
201 W. GUIDE DR.  
ROCKVILLE, MD 20850  
PHONE: (301) 548-4333

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: 104.00 - 30, 104.12 - 01, 104.13 - 01, 104.31 - 01, 104.32 - 01, 104.81 - 02

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY	DESCRIPTION	UNITS	QUANTITY
CODE NO.			
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:	SF	30
	R3-6(1) MOD (30"x54") MAST ARM MOUNT	EA	1
	R3-5(2) MOD (30"x54") MAST ARM MOUNT	EA	1
	R3-5(L) (30"x36") MAST ARM MOUNT	EA	1

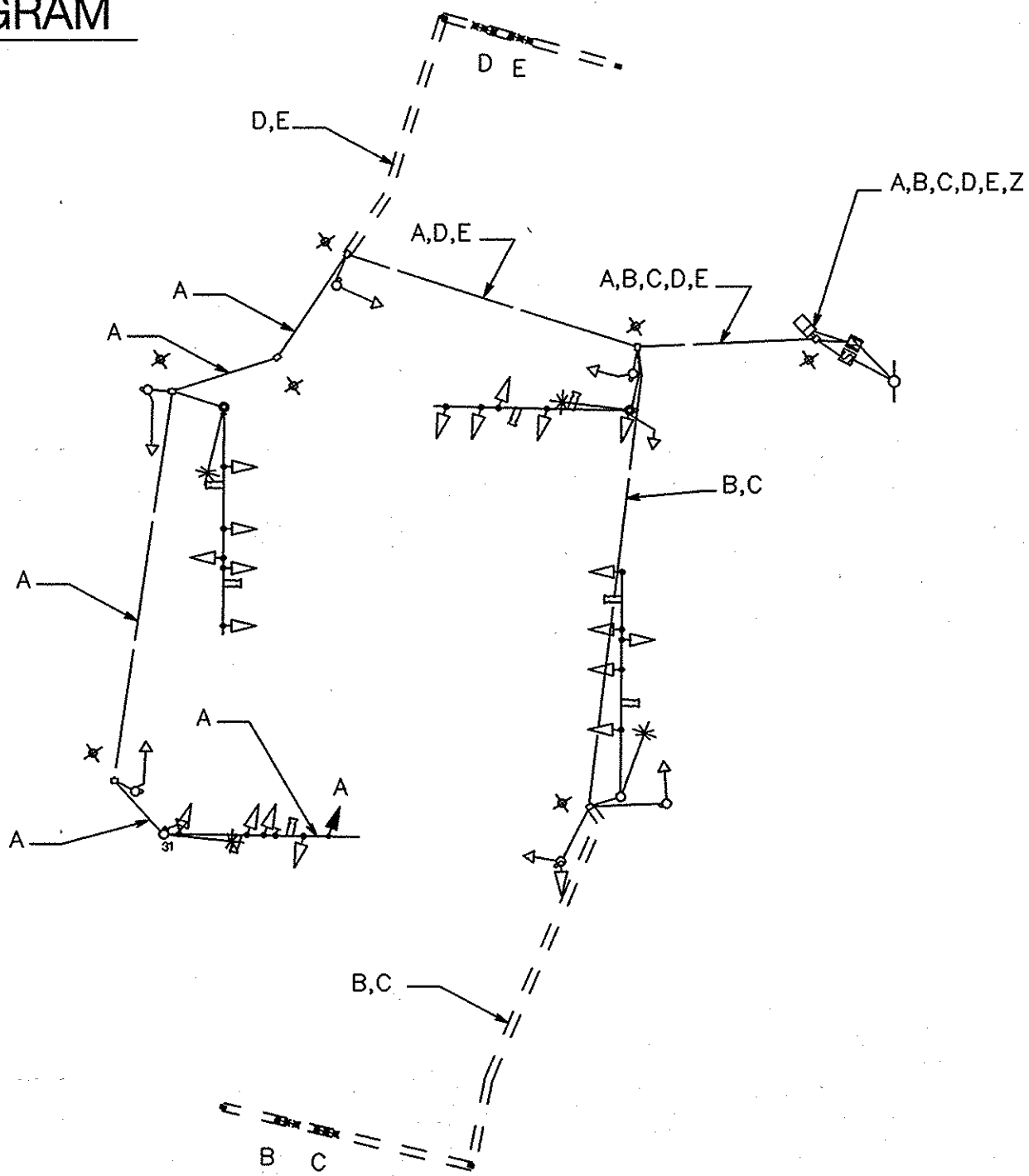
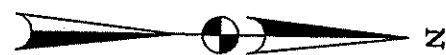
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY	DESCRIPTION	UNITS	QUANTITY
CODE NO.			
120500	MAINTENANCE OF TRAFFIC	LS	1
585452	24 INCH WHITE PERMANENT PREFORMED PAVEMENT MARKINGS	LF	250
800000	RELOCATE VIDEO DETECTION CAMERA	EA	8
805115	3" SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	155
805125	3" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	225
810601	NON - INVASIVE DETECTOR, 500 FOOT LEAD IN CABLE	EA	4
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	4
813006	RELOCATE OVERHEAD SIGN	EA	16
813015	INSTALL OVERHEAD SIGN	SF	43
860265	RELOCATE EXISTING SIGNAL HEAD	EA	18
860284	12" VEHICULAR LED TRAFFIC SIGNAL HEAD SECTION	EA	3
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	430

KEY

WIRING DIAGRAM

A } 7 CONDUCTOR ELECTRICAL CABLE  
(NO. 14 AWG)  
B,C,D,E } MICROLOOP PROBE 500 FOOT LEAD IN CABLE



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
PHASE 1 AND 5																							DW	DW	DW	DW	DW	DW	DW	DW	
1 AND 5 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 1 AND 6 OR 2 AND 5 OR 2 AND 6																														
PHASE 1 AND 6																							DW	DW	DW	DW	DW	DW	DW	DW	
1 CHANGE																							DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 5																							DW	DW	DW	DW	DW	DW	DW	DW	
5 CHANGE																							DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 2 AND 6																							WK	WK	WK	WK	DW	DW	DW	DW	
PED CLEARANCE																							FL	FL	FL	FL	DW	DW	DW	DW	
2 AND 6 CHANGE																							DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 3 AND 7																							DW	DW	DW	DW	DW	DW	DW	DW	
3 AND 7 CHANGE	THE CONTROLLER MAY SKIP TO PHASES 3 AND 8 OR 4 AND 7 OR 4 AND 8																														
PHASE 3 AND 8																							DW	DW	DW	DW	DW	DW	DW	DW	
3 CHANGE																							DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 7																							DW	DW	DW	DW	DW	DW	DW	DW	
7 CHANGE																							DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8																							DW	DW	DW	DW	DW	DW	DW	DW	
4 AND 8 CHANGE																							DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8 ALT																							DW	DW	DW	DW	DW	DW	DW	DW	
PED CLEARANCE																							FL	FL	FL	FL	DW	DW	DW	DW	
4 AND 8 ALT CHANGE																							DW	DW	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

ENGINEERS  
PLANNERS  
SCIENTISTS  
CONSTRUCTION MANAGERS

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**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 124 (WOODFIELD ROAD) AND AIRPARK ROAD  
FINAL STAGE

GENERAL INFORMATION SHEET

SCALE	1" = 20'	DATE	NA	CONTRACT NO.	MD6325171
DESIGNED BY	AH	COUNTY	MONTGOMERY		
DRAWN BY	AF	LOGMILE	15012407.73		
CHECKED BY	JFL	TIMS NO.	H079		
FAP NO.	AC-STP-1103@E	TOD NO.	AT288-73		
TS NO.	2248-E	DRAWING	SP-14	OF 39	SHEET NO. 272 OF 377